CENTRAL PNEUMATIC®

AIR HAMMER WITH 9 CHISELS

Model 47868

ASSEMBLY and OPERATING INSTRUCTIONS

Distributed Exclusively by HARBOR FREIGHT TOOLS®

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For technical questions and replacement parts, please call 1-800-444-3353

Manual Revised 11h

Specifications

Blows per minute	3000
Shank opening	3/4”
Air Hose Size	3/8”
Air Inlet	1/4”- 18 NPT Female
Required Air Pressure	90 PSI
Dimensions	6-7/8” L x 2” W x 6-1/2” H
Average Air Consumption	4 CFM
Tool Weight	3.4 Lbs.
Chisels included: Cut Chisel, Removal Tool, Weld Buster, Tapered Punch, Ripping Chisel, Bushing Splitter, Weld Rivet Cutter, Panel Cutter, Long Blade Cutter	

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. **Keep work area clean**. Cluttered areas invite injuries.
2. **Observe work area conditions**. Do not use machines or power tools in damp or wet locations. Don’t expose to rain. Keep work area well lighted. Do not use electrically powered tools in the presence of flammable gases or liquids.
3. **Keep children away**. Children must never be allowed in the work area. Do not let them handle machines, tools, extension cords, or air hoses.
4. **Store idle equipment**. When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. **Use the right tool for the job**. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended .
6. **Dress properly**. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair. Always wear steel toe shoes when operating the Air Chisel.
7. **Use eye and ear protection**. Always wear ANSI approved impact safety goggles and ear protection. Wear a full face shield when breaking up concrete.

8. **Do not overreach**. Keep proper footing and balance at all times. Do not reach over or across running machines or air hoses.

9. **Maintain tools with care**. Keep tools clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords and air hoses periodically and, if damaged, have them repaired by an authorized technician. The handle must be kept clean, dry, and free from oil and grease at all times.

10. **Disconnect air supply**. Disconnect air hose when not in use.

11. **Avoid unintentional starting**. Be sure the **Trigger (#8)** is not depressed when carrying the Air Hammer.

12. **Stay alert**. Watch what you are doing, use common sense. Do not operate any tool when you are tired.

13. **Check for damaged parts**. Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the Air Hammer if the **Trigger (#8)** does not turn on and off properly.

14. **Guard against electric shock**. Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerator enclosures.

15. **Replacement parts and accessories**. When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Harbor Freight Tools.

16. **Do not operate tool if under the influence of alcohol or drugs**. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

17. **Use proper size and type extension cord**. If an extension cord is required for the air compressor, it must be of the proper size and type to supply the correct current to the tool without heating up. Otherwise, the extension cord could melt and catch fire, or cause electrical damage to the tool. Check your compressor's manual for the appropriate size cord.

18. **Maintenance**. For your safety, maintenance should be performed regularly by a qualified technician.

19. **Compressed air only**. Never use combustible gases as a power source.

Note: More Air Hammer specific warnings in Operation section on page 6.

Note**: Performance of the compressor (if powered by line voltage) may vary depending on variations in local line voltage. Extension cord usage may also affect tool performance.**

Warning: Abrasive blasting with sand containing crystalline silica can cause serious or fatal respiratory disease. Exposure to crystalline silica may cause silicosis (a serious lung disease), cancer and death. Exposure to aluminum oxide (a dust generated from material removing processes) can result in eye, skin and breathing irritation. Always use a NIOSH (National Institute for Occupational Safety and Health) approved respirator and safety goggles. Avoid skin exposure. Proper ventilation in the work area is required. Read and understand the 10 recommended measures below to reduce crystalline silica exposures in the workplace and prevent silicosis and silicosis related deaths.

NIOSH recommends the following measures to reduce crystalline silica exposures in the workplace and prevent silicosis and silicosis-related deaths:

1. Prohibit silica sand (or other substances containing more than 1% crystalline silica) as an abrasive blasting material and substitute less hazardous materials.
2. Conduct air monitoring to measure worker exposures.
3. Use containment methods such as blast-cleaning machines and cabinets to control the hazard and protect adjacent workers from exposure.
4. Practice good personal hygiene to avoid unnecessary exposure to silica dust.
5. Wear washable or disposable protective clothes at the worksite. Shower and change into clean clothes before leaving the worksite to prevent contamination of cars, homes and other work areas.
6. Use respiratory protection when source controls cannot keep silica exposures below the NIOSH REL.
7. Provide periodic medical examinations for all workers who may be exposed to crystalline silica.
8. Post signs to warn workers about the hazard and to inform them about required protective equipment.
9. Provide workers with training that includes information about health effects, work practices and protective equipment for crystalline silica.
10. Report all cases of silicosis to State health departments and to OSHA or the Mine Safety and Health Administration (MSHA).

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contain chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. some examples of these chemicals are:
A) Lead from lead-based paints;
B) Crystalline silica from bricks and cement or other masonry products;
C) Arsenic and chromium from chemically treated lumber.
Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code 25249.5, et seq.)

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Additional Safety Warnings.

1. Repetitive motions or exposure to vibration may be harmful to your hands and arms.
2. When wearing gloves to operate the Air Hammer, make sure that the gloves do not interfere with operating the trigger. Test your gloves with the trigger before attaching the unit to an air source.
3. Never start the tool unless you have a firm grip with both hands and you are positioned at your workpiece or area.
4. Before using the Air Hammer, know what is directly underneath the work area or workpiece. The Air Hammer can quickly penetrate material. If working directly on the ground, make sure you are not directly above shallow cables, lines, or pipes.
5. Keep your limbs and body clear of the Air Hammer. If a chisel breaks off, the tool tends to surge forward suddenly. Make sure the immediate area is clear of other people or animals. Spectators must stay at a safe distance.

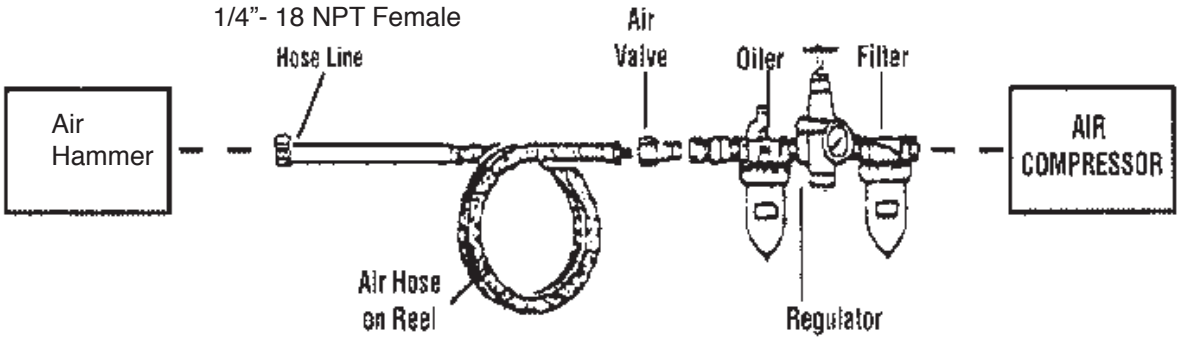
Warning!! Any spectators in the immediate area will need eye and ear protection. Beware of flying chips of wood, concrete, metal, or any other material being chiseled.

6. Never point the tool (whether hose connected, chucked, or not) at anyone.
7. Keep your finger away from the **Trigger (#8)** until you are ready to work.

Unpacking

When unpacking, check to make sure the parts listed on page 7 are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual as soon as possible.

Operation



Recommended Air Line Components

For best service you should incorporate an oiler, regulator, and inline filter, as shown in the diagram above. Hoses, couplers, oilers, regulators, and filters are all available at Harbor Freight Tools.

Operation (continued)

1. You will need to prepare a 1/4" air connector (sold separately) to connect to the **Air Inlet (#7)**. First, wrap the 1/4" air connector (not included) with pipe thread seal tape before connecting to a Air Source Hose (not included).
2. Attach air hose to the **Air Inlet (#7)** on the Air Hammer.
Note: If you are not using an automatic oiler system, before operation, add a few drops of Pneumatic Tool Oil to the airline connection. Add a few drops more after each hour of continual use.
3. Set the air pressure on your compressor to 90 PSI. Do not exceed the recommended air pressure of 90 PSI.
4. Check the air connection for leaks.
5. Turn off the compressor and disconnect the air source hose in preparation to load bits into the Air Hammer.

Warning! Always disconnect from the air source before examining or changing bits. **Examine your chisels before using them. If a chisel is dull or cracked do not use it. Replace worn or broken chisels with approved replacement chisels from Harbor Freight Tools**

1. Select the appropriate **Chisel Bit (#17)** . With your thumb, put counterclockwise pressure on the **Spring (#16)** and insert the shank of the chisel bit into the **Cylinder (#13)**. Release the **Spring (#16).** Holding the Air Hammer firmly, pull the chisel bit hard to make sure it locked into place.
Note: Before connecting the air supply, make sure you are wearing safety goggles and a full face mask, ear protection, and steel toe shoes.
Warning!! Any spectators in the immediate area will need eye and ear protection. Beware of flying chips of wood, concrete, metal, or any other material being chiseled.
2. Connect the air hose to the **Air Inlet (#7)** and turn on the compressor (not included).
3. Grip the Air Hammer with both hands firmly and put the chisel tip up against the workpiece you wish to chip.
4. Gently squeeze the **Trigger (#8)** and move slowly along the workpiece. Do not push down on the Chisel; let it do the work. If it does not do the intended job to satisfaction, examine your bit to see if it is worn or dull.
5. When you are finished, turn off the air supply and then hold the Air Chisel in a safe direction and Squeeze the trigger to bleed off the remaining air. Then, disconnect the air hose.

Parts List

Part No.	Description	Qty
1	Housing	1
2	Stopple	1
3	Pin	1
4	Bushing	1
5	Ball	1
6	Spring	1
7	Air Inlet	1
8	Trigger	1
9	Pin	1
10	0-ring	1
11	Regulator	1
12	Pin	1
13	Cylinder	1
14	Plunger	1
15	Valve	1
16	Spring	1
17	9 Piece Chisel Set	1

Chisels (17): Cut Chisel, Removal Tool, Weld Buster, Tapered Punch, Ripping Chisel, Bushing Splitter, Weld Rivet Cutter, Panel Cutter, Long Blade Cutter

Maintenance

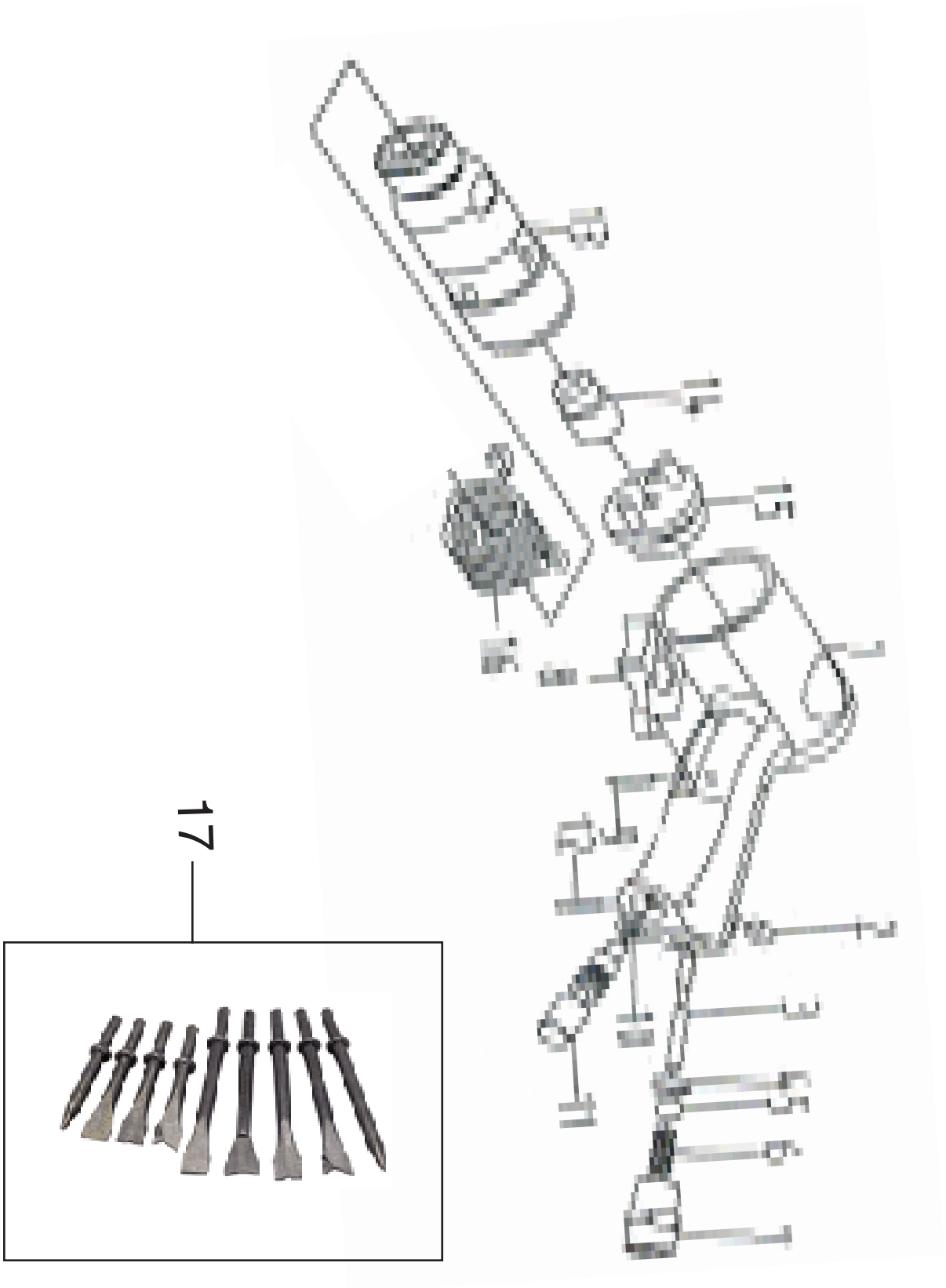
Warning!! Always disconnect from the air source before having maintenance performed.

1. After each use, wipe the Air Chisel down with a lint free cloth.
2. Make sure there are no concrete chips, dirt, or debris in the **Spring (#16)**.
3. Before storage, add a small quantity of high quality pneumatic oil in the **Air Inlet (#7)** and operate the tool for a couple of seconds to lubricate and protect the internal mechanism.
4. Examine your chisels before using them. If a chisel is dull or cracked do not use it. Replace worn or broken chisels with approved replacement chisels from Harbor Freight Tools.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Assembly Drawing



NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.